

**TODAY'S PRESENTERS (in order of appearance)**

Harry Spanglet is a Staff Environmental Scientist, Fish Passage Improvement Section, Floodsafe Environmental Stewardship and Statewide Resources Office, and a member of the GIS Training & Outreach Subcommittee.

Jason Harbaugh is a Research Analyst II in the Land & Water Use & Conservation Section, North Central Region Office, and a member of the GIS Training & Outreach Subcommittee.

Jane Schafer-Kramer is a Research Analyst II (GIS), Modeling Support Branch, Bay Delta Office, and Chair of the GIS Training & Outreach Subcommittee.

Christina Boggs is an Engineering Geologist, Data Publication, Exchange, & Management Section, Division of Statewide Integrated Water Management, and Chair of the National Hydrography Dataset Subcommittee.

Greg Smith is Chief of the Data Publication, Exchange, & Management Section, Division of Statewide Integrated Water Management, and Chair of the DWR Enterprise GIS Subcommittee.

Ruppert Grauberger is Chief of the Mapping & Photogrammetry Section, Division of Engineering, and Chair of the GIS Enterprise Architecture & Applications Subcommittee.

Carole Rains is a Research Writer, Technical Publications and Communication Media, Division of Statewide Integrated Water Management.

Don Hoirup is a Senior Engineering Geologist, Project Geology Section, Division of Engineering.

Christina Kashiwada is a Water Resources Engineer, Dams and Canals Section, Division of Engineering.

Gina Darin is an Environmental Scientist in the Restoration Planning, Monitoring and Implementation Section, Division of Environmental Services, and a member of the GIS Training & Outreach Subcommittee.

Cynthia LeDoux-Bloom is a Staff Environmental Scientist in the Environmental Water Quality and Estuarine Studies Branch, Division of Environmental Services.

Jennifer Hemmert is a Fish and Wildlife Scientific Aid (but ranked very high on the E.S list!) in the Delta Conveyance Fish Science Section, Bay-Delta Office.

Ramesh Gautam is an Associate Land & Water Use Scientist, Land & Water Use Section, Division of Statewide Integrated Water Management.

Melody Baldwin is a Research Analyst II (GIS) in the Decision Support Section, Division of Flood Management, and a member of the Emergency Response GIS Subcommittee.

Jaime Matteoli is a Water Resources Engineer, Flood Project Integrity and Inspection Branch, Division of Flood Management, and Chair of the Emergency Response GIS Subcommittee.

Dana Fernandez is a Staff Information Systems Analyst in the Division of Technology Services, and a member of several GIS subcommittees.



**Fourth Annual**

# **DWR GIS Day**

**November 15, 2011**

**Resources Building Auditorium & WebEx**

Call-In toll-free number: 877-501-2613

Attendee access code: 166 147 8

WebEx Meeting Number 741 596 273

***Presented by the  
Training and Outreach Subcommittee  
of the  
DWR Enterprise GIS Committee***

*Special thanks to Tim Michels of Cosumnes River College for designing our logo!*

## AGENDA

- 8:30 am Set-up Posters  
9:00 am Welcome – Harry Spanglet

### AM Session 1 – GIS for Managers (and Others)

- 9:10 What You and Your Staff Can Do with GIS – Harry Spanglet, with Jason Harbaugh, Jane Schafer-Kramer, and Christina Boggs
- 9:45 Integrating GIS Into the Business Fabric of Our Organizations – Tim Garza, Natural Resources Agency Chief Information Officer, and David Harris, Natural Resources Agency Geospatial Information Officer
- 10:00 Networking Break
- Refreshments may be purchased in the lobby commissary; since food and drink are not allowed in the Auditorium, conference room 133 is available to use as a break room for your convenience.*

### AM Session 2 – DWR GIS Resources

- 10:30 DWR's GIS Infrastructure, Image Server, Training, Enterprise Data, Enterprise GIS Committee – Ruppert Grauberger, Jane Schafer-Kramer, Greg Smith
- 11:15 Q & A – Open Discussion
- 11:30 State GIS Updates - Scott Gregory, State Geospatial Information Officer, California Technology Agency
- 11:45 am Lunch Break
- Room 133 will be available to use as a break room until 1:00 p.m.*
- 12:40 pm Poster Session (presenters, please be available near your poster)

### PM Session – GIS for DWR Practitioners

- 1:00 pm Natural Resources Agency GIS Updates - David Harris, Natural Resources Agency Geospatial Information Officer
- 1:20 pm Maps for Publications: Best Practices and Tips - Carole Rains
- 1:40 pm The State Water Project Linear Referenced GIS - Don Hoirup and Christina Kashiwada
- 2:00 pm Mobile GIS for Environmental Surveys - Gina Darin
- 2:20 pm Break
- 2:35 pm Integrating Acoustic, Biotelemetry, and GIS Tools to Determine Fish Habitat Use and Migration - Cynthia LeDoux-Bloom and Jennifer Hemmert
- 2:55 pm Crop Classification in Stanislaus County using GIS and Remote Sensing - Ramesh Gautam (co-authors: Jean Woods, Simon Eching, Mohammad Mostafavi)
- 3:10 pm GIS for Flood Emergency Response - Jaime Matteoli and Melody Baldwin
- 3:25 pm Introducing the DWR GeoPortal - Dana Fernandez
- 3:50 pm Discussion and Wrap-Up
- 4:00 pm Adjourn

*Special thanks to Dana Fernandez, Christina Boggs, and Will Murray for technical assistance.*

*Proceedings are being recorded via WebEx.*

Join us after GIS Day for a  
No-Host Social Hour

5pm—November 15th 2011  
Pyramid Alehouse, Brewery & Restaurant  
1029 K Street, Sacramento, CA 95814

